

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|-------|--|-------------------|------------------|---------|------------------|
| L1 | 6908 | (buffer\$4) adj (layer region) with (impurity concentrat\$5 dop\$4) | US-PGPUB; USPAT | OR | ON | 2007/06/22 15:12 |
| L2 | 19748 | ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region)) | US-PGPUB; USPAT | OR | ON | 2007/06/22 16:06 |
| L3 | 469 | ((buffer\$4) adj (layer region) with (impurity concentrat\$5 dop\$4))same 2 | US-PGPUB; USPAT | OR | ON | 2007/06/22 14:58 |
| L4 | 19 | (inp and (ingaas or gainas)) same 3 | US-PGPUB; USPAT | OR | OFF | 2007/06/22 16:07 |
| L5 | 45 | (inp and (ingaas or gainas)) and 3 | US-PGPUB; USPAT | OR | OFF | 2007/06/22 15:07 |
| L6 | 26 | 5 not 4 | US-PGPUB; USPAT | OR | OFF | 2007/06/22 15:01 |
| L7 | 2438 | (buffer\$4) adj (layer region) with (impurity concentrat\$5 dop\$4) | EPO; JPO; DERWENT | OR | ON | 2007/06/22 15:10 |
| L8 | 9853 | ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region)) | EPO; JPO; DERWENT | OR | ON | 2007/06/22 15:07 |
| L9 | 105 | 7 and 8 | EPO; JPO; DERWENT | OR | ON | 2007/06/22 15:10 |
| L10 | 5 | (inp and (ingaas or gainas)) and 9 | EPO; JPO; DERWENT | OR | OFF | 2007/06/22 15:10 |
| L11 | 20083 | (buffer\$4) adj (layer region) | EPO; JPO; DERWENT | OR | ON | 2007/06/22 15:10 |
| L12 | 431 | 11 and 8 | EPO; JPO; DERWENT | OR | ON | 2007/06/22 15:10 |
| L13 | 12 | (inp and (ingaas or gainas)) and 12 | EPO; JPO; DERWENT | OR | OFF | 2007/06/22 16:24 |
| L14 | 7 | 13 not 10 | EPO; JPO; DERWENT | OR | OFF | 2007/06/22 15:10 |
| L15 | 5 | (buffer\$4) adj (layer region) adj4 (insert\$4 sandwich\$4)adj4 ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region)) | US-PGPUB; USPAT | OR | ON | 2007/06/22 15:13 |

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| L16 | 5 | (buffer\$4) adj (layer region) adj4 (insert\$4 sandwich\$4 interpos\$5)adj4 ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region)) | US-PGPUB; USPAT | OR | ON | 2007/06/22 16:52 |
| L17 | 67 | (p\$1i\$1n pin photoconductor\$2 photodiode\$2 avalanche adj photodiode\$2 APD).ti. and (bottom\$1illuminat\$4 rear\$1illuminat\$4 bottom rear illuminat\$4 rear near illuminat\$4 back\$1illuminat\$4 back near illuminat\$4) | US-PGPUB; USPAT | OR | OFF | 2007/06/22 15:22 |
| L18 | 49 | (n\$1TYPE n\$1CLAD n\$1CONTACT)and L17 | US-PGPUB; USPAT | OR | ON | 2007/06/22 15:22 |
| L19 | 27 | (SEMI\$1INSULAT\$4 SEMI adj INSULAT\$4 undop\$4 non\$1dop\$4 sapphire inp)near5 (substrate)and L18 | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/06/22 15:28 |
| L20 | 46362 | (SEMI\$1INSULAT\$4 SEMI adj INSULAT\$4 undop\$4 non\$1dop\$4 sapphire inp)near5 (substrate) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | ON | 2007/06/22 15:28 |
| L21 | 704 | (inp and (ingaas or gainas)) and 20 and 2 | US-PGPUB; USPAT | OR | OFF | 2007/06/22 15:53 |
| L22 | 269 | (intermediate absor\$5) adj (layer region) and 21 | US-PGPUB; USPAT | OR | ON | 2007/06/22 15:58 |
| L23 | 32 | 22 and (n\$1electrode n adj electrode) | US-PGPUB; USPAT | OR | ON | 2007/06/22 15:54 |
| L24 | 37 | (inp and (ingaas or gainas)) and 20 and 8 | EPO; JPO; DERWENT | OR | OFF | 2007/06/22 15:50 |
| L25 | 5121 | 257/53 257/101-103 257/431-432. ccls. | US-PGPUB; USPAT | OR | ON | 2007/06/22 16:33 |
| L26 | 317 | (inp and (ingaas or gainas)) and 25 | US-PGPUB; USPAT | OR | OFF | 2007/06/22 15:54 |
| L27 | 37 | 26 and (n\$1electrode n adj electrode) | US-PGPUB; USPAT | OR | ON | 2007/06/22 15:58 |
| L28 | 225 | 26 and (electrode) | US-PGPUB; USPAT | OR | ON | 2007/06/22 16:15 |
| L29 | 128 | (intermediate absor\$5 light adj rece\$5) adj (layer region) and 28 | US-PGPUB; USPAT | OR | ON | 2007/06/22 15:59 |
| L30 | 329 | ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region))adj (substrate) | US-PGPUB; USPAT | OR | ON | 2007/06/22 16:14 |

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| L31 | 9 | (inp and (ingaas or gainas)) and 30 | US-PGPUB; USPAT | OR | OFF | 2007/06/22 16:15 |
| L32 | 4544 | ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region))near5 (substrate) | US-PGPUB; USPAT | OR | ON | 2007/06/22 17:08 |
| L33 | 157 | (inp and (ingaas or gainas)) and 32 | US-PGPUB; USPAT | OR | OFF | 2007/06/22 16:35 |
| L34 | 111 | 33 and (electrode) | US-PGPUB; USPAT | OR | ON | 2007/06/22 16:35 |
| L35 | 2021 | ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region))near5 (substrate) | EPO; JPO; DERWENT | OR | ON | 2007/06/22 16:24 |
| L36 | 8 | (inp and (ingaas or gainas)) and 35 | EPO; JPO; DERWENT | OR | OFF | 2007/06/22 16:24 |
| L37 | 782 | 257/E27.128 257/E31.061 257/E31. 063 257/E31.114.ccls. | US-PGPUB; USPAT | OR | ON | 2007/06/22 16:33 |
| L38 | 52 | 37 and 32 | US-PGPUB; USPAT | OR | OFF | 2007/06/22 16:34 |
| L39 | 225 | (inp and (ingaas or gainas)) and 37 | US-PGPUB; USPAT | OR | OFF | 2007/06/22 16:53 |
| L40 | 162 | 39 and (electrode) | US-PGPUB; USPAT | OR | ON | 2007/06/22 16:53 |
| L41 | 144 | 40 not 38 | US-PGPUB; USPAT | OR | ON | 2007/06/22 16:36 |
| L42 | 612 | (first same second) adj (buffer\$4) adj (layer region) | US-PGPUB; USPAT | OR | ON | 2007/06/22 16:52 |
| L43 | 612 | (first same second) adj ((buffer\$4) adj (layer region)) | US-PGPUB; USPAT | OR | ON | 2007/06/22 17:06 |
| L44 | 58 | (inp and (ingaas or gainas)) and 43 | US-PGPUB; USPAT | OR | OFF | 2007/06/22 17:10 |
| L45 | 28 | 44 and (electrode) | US-PGPUB; USPAT | OR | ON | 2007/06/22 16:53 |
| L46 | 279 | (first and second) adj ((buffer\$4) adj (layer region)) | EPO; JPO; DERWENT | OR | ON | 2007/06/22 17:09 |
| L47 | 5 | (inp and (ingaas or gainas)) and 46 | EPO; JPO; DERWENT | OR | OFF | 2007/06/22 17:07 |
| L48 | 115 | ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region))adj2 (insert\$4 sandwich\$4 interpos\$5) | US-PGPUB; USPAT | OR | ON | 2007/06/22 17:12 |
| L49 | 0 | (first and second plurality multi\$5) adj ((buffer\$4) adj (layer region)) and 48 | US-PGPUB; USPAT | OR | ON | 2007/06/22 17:09 |

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| L50 | 0 | ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region))adj2 (insert\$4 sandwich\$4 interpos\$5) adj4 ((buffer\$4) adj (layer region)) | US-PGPUB; USPAT | OR | ON | 2007/06/22 17:10 |
| L51 | 2 | (inp and (ingaas or gainas)) and 48 | US-PGPUB; USPAT | OR | OFF | 2007/06/22 17:13 |
| L52 | 32 | ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region))adj2 (insert\$4 sandwich\$4 interpos\$5) | EPO; JPO; DERWENT | OR | ON | 2007/06/22 17:13 |
| L53 | 0 | (inp and (ingaas or gainas)) and 52 | EPO; JPO; DERWENT | OR | OFF | 2007/06/22 17:13 |
| L54 | 145 | ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region))near5 (insert\$4 sandwich\$4 interpos\$5) | EPO; JPO; DERWENT | OR | ON | 2007/06/22 17:13 |
| L55 | 0 | (inp and (ingaas or gainas)) and 54 | EPO; JPO; DERWENT | OR | OFF | 2007/06/22 17:13 |
| L56 | 25 | (inp and (ingaas or gainas)) and ((n\$1contact\$4 n adj contact\$4 n\$1type adj contact\$4 n adj type adj contact\$4 n\$1type n adj type) adj (layer region))near5 (insert\$4 sandwich\$4 interpos\$5) | US-PGPUB; USPAT | OR | OFF | 2007/06/22 17:14 |